

PATENT  
Appl. No. 09/707,720  
Attorney Docket No. 450100-02835

### REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-11 will be pending. By this amendment, claims 1, 4, and 6 have been amended. No new matter has been added.

#### § 103 Rejection of Claims 1-11

On Page 2 of the Office Action, the Examiner has rejected claims 1-11 under 35 U.S.C. §103(a) as being unpatentable over Stahl (U.S. Patent No. 6,665,020) in view of Ludtke (U.S. Patent No. 6,237,049). Claims 1, 4, and 6 have been amended to address the rejection.

In the Background of the Specification, it was indicated that "[w]hen the controller is to control the data transmission in the asynchronous transportation mode or the like between the devices connected through the serial data bus having the IEEE 1394 method, a device to function as the controller should mount a function corresponding to the data transmission to be carried out at that time. More specifically, any device connected to the bus does not function as the controller and only a device mounting a function corresponding to the setting method of the transmission path at that time can carry out a processing as a controller for performing the corresponding control."

It was further indicated that "[i]f all the devices in a network connected through the bus mount the function of the controller, any device in the network can freely set the transmission path so that the degree of freedom of the data transmission in the network can be enhanced. However, when the function of the controller is mounted on all the devices in the network, the mounting function of each device is increased correspondingly. Consequently, there is a

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problem in that a cost for each device and the whole network is increased." *Background of the Specification, page 2, line 24 to page 3, line 16.*

To address the above-described problem of a conventional network controller, embodiments of the presenting invention provide method, system, and device for transmitting data from a transmitting device to a receiving device through a predetermined network. Transmission data includes a request from a first device to a second device to mount a connection management function including a request for executing the connection management for data transmission between the transmitting device and the receiving device.

For example, the steps of method claim 1, as presented herein, include:

"transmitting a request from a first device to a second device to mount a connection management function from a plurality of connection management functions, said request for executing the connection management for data transmission between the transmitting device and the receiving device,

when the first device for carrying out connection management for data transmission between the transmitting device and the receiving device does not mount a corresponding connection management function and has been notified by the second device that the second device mounts the corresponding connection management function." (emphasis added)

By transmitting a request to an alternative control device to mount a connection management function when the first device for carrying out connection management does not mount a corresponding connection management function, the data transmitting method of claim 1 provides an effective connection management of transmitting and receiving devices connected to a predetermined network. Thus, the data transmitting method of claim 1 is configured to solve the above-discussed problem of the conventional network controller. The support for the transmission of a request to mount a connection management function can be found on page 19 and page 20 of the Specification.

Although Stahl discloses providing asynchronous data transfer between IEEE-1394 nodes

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and a transaction layer defining a request-reply protocol to perform bus transactions, Stahl fails to teach or suggest transmitting data from a transmitting device to a receiving device through a predetermined network, where transmission data includes a request from a first device to a second device to mount a connection management function including a request for executing the connection management for data transmission between the transmitting device and the receiving device, when the first device for carrying out connection management does not mount a corresponding connection management function.

Further, although Ludtke discloses a consumer electronic media device having a functionality to act as a proxy device for other consumer electronic media devices, Ludtke fails to teach or suggest transmitting data from a transmitting device to a receiving device through a predetermined network, where transmission data includes a request from a first device to a second device to mount a connection management function including a request for executing the connection management for data transmission between the transmitting device and the receiving device, when the first device for carrying out connection management does not mount a corresponding connection management function.

Based on the foregoing discussion, it is submitted that Stahl and Ludtke, individually or in combination, fail to teach or suggest all the limitations of claim 1. Therefore, claim 1 should be allowable over Stahl and Ludtke. Since independent claims 4 and 6 closely parallel, and include substantially similar limitations as, independent claim 1, claims 4 and 6 should also be allowable over Stahl and Ludtke. Since claims 2-3, 5, and 7-11 depend from claims 1, 4, and 6, claims 2-3, 5, and 7-11 should also be allowable over Stahl and Ludtke.

Accordingly, it is submitted that the Examiner's rejection of claims 1-11 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully

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requested.

### Conclusion

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-11 are respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.

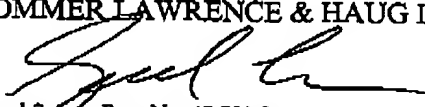
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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